

SUBJECT: SOIL EROSION
 CATEGORY: USLE IN RELATION TO "T"*
 REPORTING UNIT: ACRES, TONS/ACRE/YEAR, TOTAL TONS
 GEOGRAPHIC UNIT: STATE OF MISSOURI

TABLE: SUMMARY REVIEW OF SHEET AND RILL EROSION ON PASTURELAND,
 1982 -1997

	1982	1987	1992	1997
Acres of Pastureland	12,573,000	12,207,800	11,834,100	10,848,700
Average USLE Soil Loss Rate On Pastureland (tons/acre/year)	1.9	1.7	1.6	1.3
Total Soil Loss On Pastureland (total tons)	24,488,400	20,350,400	18,520,700	14,343,800
Acres of Pastureland Eroding Above "T"	1,920,400	1,509,500	1,419,900	1,012,300
Average USLE Soil Loss Rate On Pastureland Eroding Above "T"	8.1	7.5	7.0	6.5
Total Soil Loss On Pastureland Eroding Above "T"	15,741,000	11,377,500	9,886,800	6,594,600

* USLE - Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI sample point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" Factor - The soil loss factor used in conjunction with the USLE. It is the maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

SOURCE: NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)